

IN THE CLAIMS

Please amend the claims to read as follows:

Listing of Claims

1-12. (Canceled).

13. (New) A transmission apparatus comprising:

an input section through which information to be communicated including important information and transmission data other than the important information are input through respective routes; and
a modulation section that performs modulation of the important information and the transmission data other than the important information input through said input section to provide a transmission signal, in accordance with a modulation scheme in which one symbol is expressed using three or more bits on an orthogonal coordinate comprising an in-phase component and a quadrature component,

wherein said modulation section, upon performing said modulation, places a bit constituting the important information as one or both of a first bit and a second bit of a symbol of said transmission signal.

14. (New) A reception apparatus comprising:

an extraction section that extracts important information from one or both of a first bit and a second bit of a reception signal modulated according to a modulation scheme in which one symbol is expressed using three or more bits on an orthogonal coordinate comprising an in-phase component and a quadrature component;

an output section that outputs the important information extracted by said extraction section and other reception data through respective routes; and

a communication control section that performs a communication control based on the important information output from said output section.

15. (New) The reception apparatus of claim 14, wherein said communication control section comprises a retransmission instructing section that, based on the important information, instructs a transmission end of communication to perform retransmission.

16. (New) The reception apparatus according to claim 14, wherein said communication control section comprises a reception control section that, based on the important information, performs a reception control of the reception signal.

17. (New) A base station apparatus comprising the transmission apparatus of claim 13.

18. (New) A transmission method comprising the steps of:

(a) inputting information to be communicated including important information and transmission data other than the important information, through respective routes; and

(b) modulating the important information and the transmission data other than the important information input in the input step to provide a transmission signal, in accordance with a modulation scheme in which one symbol is expressed using three or more bits on an orthogonal coordinate comprising an in-phase component and a quadrature component,

wherein step (b), upon the modulation, places a bit constituting the important information as one or both of a first bit and a second bit of a symbol of said transmission signal.